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U.S. NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS



NIH LIBRARY

Arranged by State, City and Institution

REPORT 1973

Announced During

OCTOBER 1973

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

PREPARED BY
NATIONAL INSTITUTES OF HEALTH
DIVISION OF RESEARCH GRANTS
STATISTICS AND ANALYSIS BRANCH

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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AI	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES
CA	NATIONAL CANCER INSTITUTE
CB	DIVISION OF CANCER BIOLOGY AND DIAGNOSTICS
CN	OFFICE OF CANCER CONTROL
CM	DIVISION OF CANCER TREATMENT
CP	DIVISION OF CANCER CAUSE AND PREVENTION
CL	CLINICAL CENTER
CT	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE	NATIONAL INSTITUTE OF DENTAL RESEARCH
ES	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY	NATIONAL EYE INSTITUTE
GM	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL	NATIONAL HEART AND LUNG INSTITUTE
HV	DIVISION OF HEART AND VASCULAR DISEASES
HB	DIVISION OF BLOOD DISEASES AND RESOURCES
HT	DIVISION OF TECHNOLOGICAL APPLICATION
HR	DIVISION OF LUNG DISEASES
HI	DIVISION OF INTRAMURAL RESEARCH
HO	OFFICE OF THE NHLI DIRECTOR
JT	JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)
LM	NATIONAL LIBRARY OF MEDICINE
NS	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
OD	OFFICE OF THE DIRECTOR, NIH
RG	DIVISION OF RESEARCH GRANTS
RR	DIVISION OF RESEARCH RESOURCES
RS	DIVISION OF RESEARCH SERVICES
TW	FOGARTY INTERNATIONAL CENTER

NIH SUMMARY OF NEW GRANTS AND AWARDS ANNOUNCED DURING OCTOBER 1973

INSTITUTE OR DIVISION	RESEARCH GRANTS*	RESEARCH CONTRACTS NO.	RESEARCH TRAINING GRANTS NO.	RESEARCH FELLOWSHIPS DOLLARS NO.	RESEARCH CAREER PROGRAM AWARDS DOLLARS NO.	EDUCATION GRANTS DOLLARS NO.	CONSTRUCTION GRANTS DOLLARS NO.	MEDICAL LIBRARY GRANTS NO. DOLLARS
AI	9	372,504						
AM	2	136,012						
CA	23	1,791,070	2		78,479			
CB				4	334,228			
CN				3	184,840			
CP								
DE	1	13,617						
EY	2	55,401						
GM	6	207,395						
HD	44	1,930,918	1		219,900			
HI								
HL	11	740,563						
HT				2	321,710			
HV				1	126,624			
LM	1	10,461	2		159,074			
NS	2	73,299						
OD				1	17,140			
RR	5	992,469						
	106	6,323,709	16		1,441,995			
							1	20,000

* DOLLARS AWARDED INCLUDE DIRECT COST ONLY FOR RESEARCH GRANTS

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

PRINCIPAL INVESTIGATOR

GRANT NUMBER	TITLE OF RESEARCH PROPOSAL	INSTITUTION TOTAL	CITY TOTAL															
ALABAMA BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM DE03828-01	SUPPORT FOR SYMPOSIUM ON IMMUNOGLOBULIN A	13,617	13,617	1	1	13,617	13,617	1	1	13,617	13,617	1	1	13,617	13,617	13,617	13,617	
CALIFORNIA BERKELEY UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY HD08018-01 CA14828-01	SPERM TRANSPORT IN CERVICAL MUCUS MOLECULAR MECHANISMS IN CARCINOGENESIS	39,495	180,172															
CLAREMONT CLAREMONT COLLEGES SYSTEM--CLAREMONT GRADUATE SCHOOL AND UNIVERSITY CENTER HD08074-01	PREDICTION OF PROBABILITIES IN CONTRACEPTIVE PLANNING	42,771	42,771	2	2	219,667	219,667	2	2	219,667	219,667	2	2	219,667	219,667	219,667	219,667	
DAVIS UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS CA14839-01	STUDY OF IMMUNOLOGICAL CONTROL OF NEOPLASIAS	40,000	40,000	1	1	42,771	42,771	1	1	42,771	42,771	1	1	40,000	40,000	40,000	40,000	
IRVINE UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE HD08086-01 GM20834-01 CA15965-01	REGULATION OF MULTIPOTENT CELL DIFFERENTIATION STUDY OF DIAGNOSTIC VALUE OF ACUSTICAL HOLOGRAPHY REGULATORY EVENTS IN CELL-MEDIATED IMMUNE RESPONSES	23,218	40,000	3	3	92,396	92,396	3	3	92,396	92,396	3	3	29,178	29,178	29,178	29,178	

**NIH
RESEARCH GRANTS ***

TITLE OF RESEARCH PROPOSAL

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA LA JOLLA SALK INSTITUTE FOR BIOLOGICAL STUDIES GM20868-01 CAL15964-01 HD08180-01 CA14195-01	BOURGEOIS-COHN, SUZANNE BYRD, WILLIAM J GOSPODAROWICZ, DENIS J HOLLEY, ROBERT W	STUDY OF CELLULAR REGULATION OF GENETIC MATERIAL T-T CELL COLLABORATION AND TUMOR CELL DESTRUCTION STUDY OF LH RECEPTOR SITES IN LUTEAL CELLS CANCER RESEARCH PROGRAM	52,500 47,040 38,000 200,000
INSTITUTION TOTAL	4		337,540
SCRIPPS CLINIC AND RESEARCH FOUNDATION A111751-01	BOKSCH, VIKTOR A	COMPLEMENT ACTIVATION IN HEMORRHAGIC SHOCK SYNDROME	28,045
INSTITUTION TOTAL	1		28,045
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO HL16269-01	BERNSTEIN, EUGENE F	PROLONGED PULSELESS TOTAL BODY PERfusion	35,000
INSTITUTION TOTAL	1		35,000
CITY TOTAL	6		400,585
LOS ANGELES CHARLES R. DREW POSTGRADUATE MEDICAL SCHOOL HL15857-01	GREENBERG, ROBERT E	GENETIC HETEROGENEITY OF HYPERTENSION	60,553
INSTITUTION TOTAL	1		60,553
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES LMO02090-01 RRO0865-01 EYO1051-01A1 HD06576-01A1	HAND, WAYLAND A MELLINKOFF, SHERMAN M NODA, HIROHARU POPJAK, GEORGE J	SYMPOSIUM ON AMERICAN FOLK MEDICINE GENERAL CLINICAL RESEARCH CENTER NEURONAL BASIS OF VISUAL PERCEPTION IN EYE MOVEMENTS MOLECULAR ASPECTS OF MENTAL RETARDATION	10,461 397,114 28,190 303,765
INSTITUTION TOTAL	4		739,530
CITY TOTAL	5		800,083
SAN FRANCISCO UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO HD08035-01	JAFFE, ROBERT B	REGULATION OF THE HUMAN HYPOTHALAMIC-PITUITARY SYSTEM	63,623
INSTITUTION TOTAL	1		63,623
CITY TOTAL	1		63,623

**NIH
RESEARCH GRANTS ***

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
STANFORD UNIVERSITY HL15833-01	HARRISON, DONALD C LEDERBERG, JOSHUA RRO0785-01A1	PHARMACOLOGIC AND PHYSIOLOGIC BASIS OF CARDIAC THERAPY SUPPORT FOR MEDICAL COMPUTING FACILITY	318,019 21,380
INSTITUTION TOTAL CITY TOTAL	2 2	339,399 339,399	
STATE TOTAL	21	1,998,524	
COLORADO			
DENVER UNIVERSITY OF COLORADO MEDICAL CENTER HD07779-01	CLAMAN, HENRY N	IMMUNOLOGICAL CHANGES IN AGING	62,136
INSTITUTION TOTAL CITY TOTAL	1 1	62,136 62,136	
STATE TOTAL	1	62,136	
CONNECTICUT			
NEW HAVEN YALE UNIVERSITY AII11785-01 HL15947-01	Dwyer, JOHN M MULROW, PATRICK J	CELLULAR IMMUNITY AND HUMAN DISEASE PROSTAGLANDINS AND HYPERTENSION	32,076 65,779
INSTITUTION TOTAL CITY TOTAL	2 2	97,855 97,855	
STATE TOTAL	2	97,855	
DIST OF COL			
WASHINGTON CHILDREN'S HOSPITAL CA14484-01A1	HOUCK, JOHN C	SPECIFIC INHIBITION OF HUMAN FIBROBLAST PROLIFERATION	52,868
INSTITUTION TOTAL	1		
GEORGETOWN UNIVERSITY HD07695-01	COLEMAN, MARY P	SEROTONIN SCREENING OF NEONATES	36,129
INSTITUTION TOTAL	1	36,129	

* INCLUDES DIRECT COST ONLY

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

PRINCIPAL INVESTIGATOR

TITLE OF RESEARCH PROPOSAL

DIST OF COL WASHINGTON HOWARD UNIVERSITY CA14718-01	WHITE, JACK E	CANCER RESEARCH PROGRAM
INSTITUTION TOTAL	1	200,000
CITY TOTAL	3	288,997
STATE TOTAL	3	288,997

GEORGIA ATLENS UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA A112065-01 HD07714-01	DAMIAN, RAYMOND T LEE, JOHN W	SCHISTOSOME IMMUNITY MECHANISMS BIOLOGICAL REACTIONS OF LASER GENERATED SINGLET OXYGEN
INSTITUTION TOTAL	2	57,254
CITY TOTAL	2	57,254

ATLANTA EMORY UNIVERSITY CA14797-01	JOHNSON, LEWIS D	STUDIES OF EPITHELIAL BASEMENT MEMBRANE COMPONENTS
INSTITUTION TOTAL	1	35,000
CITY TOTAL	1	35,000
STATE TOTAL	3	92,254

ILLINOIS ARGONNE INTERNATIONAL CONGRESS OF RADIATION RESEARCH CA15041-01	BOND, VICTOR P	VTH INTERNATIONAL CONGRESS OF RADIATION RESEARCH
INSTITUTION TOTAL	1	50,000
CITY TOTAL	1	50,000
STATE TOTAL	1	50,000

INDIANA BLOOMINGTON INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON HD01983-01	MAHOWALD, ANTHONY P	ULTRASTRUCTURAL STUDIES OF EMBRYONIC DETERMINATION
INSTITUTION TOTAL	1	30,426
* INCLUDES DIRECT COST ONLY		

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

CITY TOTAL

1

30,426

INDIANA

INDIANAPOLIS
INDIANAPOLIS CENTER FOR ADVANCED RESEARCH
HL16311-01

45,000

INSTITUTION
CITY TOTAL

1

45,000

LAFAYETTE

PURDUE UNIVERSITY
HD07201-01AI
HD07957-01CICIRELLI, VICTOR G
PERRUCCI, CAROLYN CINSTITUTION
CITY TOTAL

2

19,392

STATE TOTAL
CITY TOTAL

4

19,392

IOWA

IOWA CITY
UNIVERSITY OF IOWA
HD07693-01

KORENMAN, STANLEY G

INSTITUTION
CITY TOTAL

1

42,188

STATE TOTAL
CITY TOTAL

1

42,188

KANSAS

KANSAS CITY
UNIVERSITY OF KANSAS
RR00828-01

BOLINGER, ROBERT E

INSTITUTION
CITY TOTAL

1

213,240

STATE TOTAL
CITY TOTAL

1

213,240

GENERAL CLINICAL RESEARCH CENTER

42,188

FERTILITY AND ACHIEVEMENT OF WOMEN COLLEGE GRADUATES

10,776

8,616

10,776

MICROSCOPIC EVALUATION OF CARDIOACTIVE DRUGS IN VITRO

45,000

NIH RESEARCH GRANTS *

LITTLE OF RESEARCH PROPOSAL

KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY	HAKIM, RAZIEL S		METAPLASIA IN A NONDIVIDING CELL SYSTEM
D07908-01			
INSTITUTION TOTAL	1		24,349
CITY TOTAL	1		24,349
STATE TOTAL	1		24,349

LOUISIANA			
NEW ORLEANS			
TULANE UNIVERSITY			
NS10517-01			
INSTITUTION TOTAL	1		63,299
CITY TOTAL	1		63,299
STATE TOTAL	1		63,299
LIU, YOUNG K			
ACCELERATION INJURIES TO THE SPINAL CORD AND BRAINSTEM			
63,299			

MARYLAND	BALTIMORE	JOHNS HOPKINS UNIVERSITY HD08185-01 HD07935-01 HD08163-01	HUANG, RU-CHIH C SILVERSTEIN, ARTHUR M SYKES, ZENAS M, JR	NUCLEOCYTOPLASMIC INTERACTIONS IN DEVELOPMENT AND AGING STUDIES IN MAMMALIAN LYMPHOGENESIS AND IMMUNOGENESIS A SYSTEMS MODEL OF HUMAN FERTILITY	55,935 38,000 11,669
		INSTITUTION TOTAL	3	105,604	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND PROFESSIONAL SCHOOLS					
BLACK, LINDSAY W CRAMER, ONEIDA M				PHAGE T4 HEAD ASSEMBLY AND INITIATION OF INFECTION NEUROENDOCRINE CORRELATES OF GONADOTROPIN SECRETION	37,202 28,333
INSTITUTION TOTAL	2	65,535			
CITY TOTAL	5	175,139			

BETHESDA
UNIVERSITIES ASSOCIATED FOR RESEARCH AND EDUCATION IN PATHOLOGY
CA15413-01
THEROS, ELIAS G
DEVELOPMENT OF TEACHING MATERIAL ON RADIOLOGY

INSTITUTION TOTAL	1	82,345
CITY TOTAL	1	82,345
STATE TOTAL	6	253,484

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NIH
RESEARCH GRANTS *

PRINCIPAL INVESTIGATOR

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
BETH ISRAEL HOSPITAL	GOLDMAN, PETER	CARCINOGEN METABOLISM BY HOST INTESTINAL BACTERIA	41,149
CA15260-01	INSTITUTION TOTAL	1	41,149
BOSTON UNIVERSITY	O'SULLIVAN, JOHN B	QUARTER CENTURY FOLLOW-UP OF THE OXFORD STUDY	53,040
HL16662-01	INSTITUTION TOTAL	1	53,040
CHILDREN'S CANCER RESEARCH FOUNDATION			
AII2069-01	SCHLOSSMAN, STUART F	STUDY OF ISOLATION AND GENETIC CONTROL OF IMMUNOCYTES	108,977
INSTITUTION TOTAL	1	108,977	
HARVARD UNIVERSITY	HEGSTED, DAVID M	MALNUTRITION AND BEHAVIORAL DEVELOPMENT	127,517
HD07032-01	INSTITUTION TOTAL	1	127,517
NORTHEASTERN UNIVERSITY	MAHUT, HELEN S	HIPPOCAMPUS: A NEUROPSYCHOLOGICAL DEVELOPMENTAL STUDY	34,499
HD08135-01	INSTITUTION TOTAL	1	34,499
CITY TOTAL	5	365,182	
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
HD08129-01	MC CRACKEN, JOHN A	ENDOCRINE FUNCTION OF TRANSPLANTED UTERUS AND OVARY	49,067
INSTITUTION TOTAL	1	49,067	
CITY TOTAL	1	49,067	
WALTHAM			
BRANDEIS UNIVERSITY	LEVINE, LAWRENCE	STUDIES ON THE PHYSIOLOGICAL ROLE OF THE PROSTAGLANDINS	44,819
HD07966-01	INSTITUTION TOTAL	1	44,819
CITY TOTAL	1	44,819	
STATE TOTAL	7	459,068	

NIH
RESEARCH GRANTS *

GRANT NUMBER

TITLE OF RESEARCH PROPOSAL

PRINCIPAL INVESTIGATOR	MICHIGAN ANN ARBOR UNIVERSITY OF MICHIGAN HD07483-01AI	BRADLEY, ROBERT M	FUNCTIONAL DEVELOPMENT OF THE GUSTATORY SENSE	42,598
INSTITUTION TOTAL	1			42,598
CITY TOTAL	1			42,598

EAST LANSING	MICHIGAN STATE UNIVERSITY	KITCHEN, HYRAM	HEME METABOLISM IN FETUSES, NEWBORNS AND ADULTS	35,194
INSTITUTION TOTAL	1			35,194
CITY TOTAL	1			35,194
STATE TOTAL	2			77,792

MINNESOTA	MINNEAPOLIS	GRAY, GARY R	ANTITUMOR ACTIVE COMPONENTS OF BCG CELL WALLS	25,290
UNIVERSITY OF MINNESOTA	CA15325-01			25,290
INSTITUTION TOTAL	1			25,290
CITY TOTAL	1			25,290

ROCHESTER	MAYO FOUNDATION	JORDUN, ROBERT E WHISNANT, JACK P	IMMUNOPATHOLOGY OF BULLOUS SKIN DISEASES NINTH PRINCETON CONFERENCE ON CEREBROVASCULAR DISEASE	35,942 20,000
INSTITUTION TOTAL	2			55,942
CITY TOTAL	2			55,942
STATE TOTAL	3			81,232

MISSISSIPPI	HATTIESBURG	UNIVERSITY OF SOUTHERN MISSISSIPPI HD06896-01AI	ESTROGEN-STIMULATED PROGESTERONE SYNTHESIS IN VITRO	26,534 26,534
INSTITUTION TOTAL	1			26,534
CITY TOTAL	1			26,534

**NIH
RESEARCH GRANTS ***

**DOLLARS
AWARDED**

GRANT NUMBER		PRINCIPAL INVESTIGATOR		TITLE OF RESEARCH PROPOSAL
STATE	TOTAL	STATE	TOTAL	
				26,534

MISSOURI	SAINT LOUIS	WASHINGTON UNIVERSITY	BALLINGER, WALTER F	SURGICAL TRANSPLANTATION OF ISLETS OF LANGERHANS ROLE OF T CELLS IN B CELL DIFFERENTIATION	56,012
		AM17188-01	AI11635-01		38,454
			DAVIE, JOSEPH M		
		INSTITUTION TOTAL	2	94,466	
		CITY TOTAL	2	94,466	
		STATE TOTAL	2	94,466	
 NEW JERSEY					
		JERSEY CITY	MARGARET HAGUE MATERNITY HOSPITAL	FOLLOW-UP OF ECLAMPTIC AND OF RHEUMATIC CARDIAC WOMEN	3,415
		HD07667-01	CHESLEY, LEON C		
		INSTITUTION TOTAL	1	3,415	
		CITY TOTAL	1	3,415	
		NEW BRUNSWICK	RUTGERS--THE STATE UNIVERSITY	OVARIAN INVOLUTION IN AGING	25,571
		HD07972-01	LEATHEM, JAMES H		
		INSTITUTION TOTAL	1	25,571	
		CITY TOTAL	1	25,571	
		NEWARK	COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--NEW JERSEY MEDICAL SCHOOL	NORMAL AND THYROID-INDUCED CEREBELLAR MATURATION	18,649
		HD08157-01	GONA, AMOS G		
		INSTITUTION TOTAL	1	18,649	
		CITY TOTAL	1	18,649	
		PRINCETON	PRINCETON UNIVERSITY	Y CHROMOSOME STRUCTURE AND REGULATION IN DROSOPHILA	37,947
		GM20770-01	SANDERS, THOMAS G		
		INSTITUTION TOTAL	1	37,947	
		CITY TOTAL	1	37,947	

* INCLUDES DIRECT COST ONLY

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

TITLE OF RESEARCH PROPOSAL

PRINCIPAL INVESTIGATOR

GRANT NUMBER

STATE TOTAL

4

85,582

NEW YORK
 BUFFALO
 NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE
 CA14536-01 MURPHY, GERALD P
 309,173

INSTITUTION TOTAL

1

STATE UNIVERSITY OF NEW YORK AT BUFFALO
 EY01330-01 WEISSTEIN, NAOMI
 309,173

INSTITUTION TOTAL
 CITY TOTAL

1
 2
 336,384

NEW YORK
 COLUMBIA UNIVERSITY
 NS11609-01 ROWLAND, LEWIS P
 10,000

INSTITUTION TOTAL

1

10,000

NEW YORK UNIVERSITY
 HD07929-01 DAVID, RAPHAEL
 RR00830-01 POTTER, JACOBUS
 CA14211-01A1 VAN DUUREN, BENJAMIN L
 CA15095-01 VAN DUUREN, BENJAMIN L
 33,017
 133,489
 41,140
 49,215

INSTITUTION TOTAL

4

SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH
 CA15274-01 BROWN, GEORGE B
 CA15297-01 FLEISSNER, ERWIN J
 256,861

INSTITUTION TOTAL

2

148,263

STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER
 HL16651-01A1 LYONS, HAROLD A
 57,584

INSTITUTION TOTAL
 CITY TOTAL

1
 8
 472,708

SYRACUSE
 SYRACUSE UNIVERSITY
 HD07188-01 TALBERT, CAROL S
 22,211

* INCLUDES DIRECT COST ONLY

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL
STATE TOTAL	1	31,516

OREGON		
PORTLAND		
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON MEDICAL SCHOOL		
HD08025-01		JAMES METCALFE,
INSTITUTION TOTAL	1	50,654
CITY TOTAL	1	50,654
STATE TOTAL	1	50,654

PENNSYLVANIA		
PHILADELPHIA		
INSTITUTE FOR CANCER RESEARCH		
AI10414-01A1		MANFRED E BAYER,
INSTITUTION TOTAL	1	15,988
CITY TOTAL	1	15,988

PITTSBURGH		
CHILDREN'S HOSPITAL OF PITTSBURGH		
HD07850-01		PHILIP FIREMAN,
INSTITUTION TOTAL	1	15,400
INSTITUTION TOTAL	1	15,400
UNIVERSITY OF PITTSBURGH		
CA14972-01	FISHER,	BERNARD
GM20759-01	HOPPER,	SARAH P
HD07914-01	SABEAN,	DAVID W
INSTITUTION TOTAL	3	107,742
CITY TOTAL	4	123,142
STATE TOTAL	5	139,130

RHODE ISLAND		
KINGSTON		
UNIVERSITY OF RHODE ISLAND		
HL16207-01		TURCOTTE, JOSEPH G
INSTITUTION TOTAL	1	18,693
CITY TOTAL	1	18,693

* INCLUDES DIRECT COST ONLY

SYNTHESIS OF PHOSPHOLIPID LUNG SURFACTANTS

18,693

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL
STATE TOTAL	1	18,693

TENNESSEE
 MEMPHIS
 UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE MEDICAL UNITS
 HD07511-01 MASON, JAMES M PATHOGENESIS OF SUDDEN INFANT DEATH SYNDROME
 36,423

INSTITUTION TOTAL	1	36,423
CITY TOTAL	1	36,423
STATE TOTAL	1	36,423

TEXAS
 HOUSTON COLLEGE OF MEDICINE
 A111830-01 KEARNS, DONALD H ANTI-GONOCOCCAL RESPONSE OF NORMAL AND RESISTANT MEN
 39,820

INSTITUTION TOTAL	1	39,820
RICE UNIVERSITY	OLSON, JOHN S	STUDY OF ALPHA AND BETA CHAINS IN HEMOGLOBIN
INSTITUTION TOTAL	1	30,978

UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE
 CA14984-01 HERSH, EVAN M IMMUNOLOGICAL ASPECTS OF CANCER PROGNOSIS
 55,316

INSTITUTION TOTAL	1	55,316
CITY TOTAL	3	126,114
STATE TOTAL	3	126,114

VIRGINIA
 CHARLOTTESVILLE
 UNIVERSITY OF VIRGINIA DRUCKER, WILLIAM R GENERAL CLINICAL RESEARCH CENTER
 RR00847-01
 INSTITUTION TOTAL 1 227,246
 CITY TOTAL 1 227,246

RICHMOND
 VIRGINIA COMMONWEALTH UNIVERSITY
 GM20298-01AL COHEN, IRWIN K STUDY OF COLLAGEN METABOLISM IN TRAUMA AND DISEASE
 28,748

* INCLUDES DIRECT COST ONLY

NIH
RESEARCH GRANTS *

GRANT NUMBER PRINCIPAL INVESTIGATOR

VIRGINIA
RICHMOND
VIRGINIA COMMONWEALTH UNIVERSITY MONCURE, CHARLES W
CA15499-01

INVESTIGATION OF SPECIFIC ANTIGENS IN PROSTATIC CANCER

INSTITUTION TOTAL	2
CITY TOTAL	2
STATE TOTAL	3

WASHINGTON

SEATTLE
UNIVERSITY OF WASHINGTON
HD07755-01
CA12895-01A2

LEARNING AND PSYCHOPHYSIOLOGICAL STUDIES IN THE AGED
MOLECULAR MECHANISMS IN NEOPLASIA

INSTITUTION TOTAL	2
CITY TOTAL	2
STATE TOTAL	2

WISCONSIN

MADISON
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON
HD07867-01
GM20871-01

LABOUVIE, GISELA V
WEISBLUM, BERNARD

INSTITUTION TOTAL	2
CITY TOTAL	2
STATE TOTAL	2

CANADA
KINGSTON
QUEEN'S UNIVERSITY
HD07951-01

INSTITUTION TOTAL	1
CITY TOTAL	1

TORONTO
UNIVERSITY OF TORONTO
HD07889-01

GLYCOPROTEIN-GLYCOLIPID METABOLISM IN SPERMATOGENESIS

* INCLUDES DIRECT COST ONLY

GRANT NUMBER PRINCIPAL INVESTIGATOR

DOLLARS AWARDED

38,144

113,888
57,3545,533
20,000

33,962

33,962

33,962

23,761

DOLLARS
AWARDED

PRINCIPAL INVESTIGATOR

INSTITUTION TOTAL	1	23,761
CITY TOTAL	1	23,761

CANADA	WINNIPEG	UNIVERSITY OF MANITOBA	FRIESEN, HENRY G	PLACENTAL & PITUITARY PROTEIN & POLYPEPTIDE HORMONES
		HDO7843-01		
INSTITUTION TOTAL		1		47,131
CITY TOTAL		1		47,131
STATE TOTAL		3		104,854

DENMARK	AARHUS	UNIVERSITY OF AARHUS HL16238-01	MAGNUSSON, STAFFAN M	BLOOD COAGULATION PRIMARY STRUCTURE OF PROTHROMBIN	35,917
		INSTITUTION TOTAL	1		35,917
		CITY TOTAL	1		35,917
		STATE TOTAL	1		35,917

ISRAEL
 HAIFA
 ISRAEL INSTITUTE OF TECHNOLOGY
 HD07740-01
 GERSHON, DAVID
 STUDY OF FAULTY PROTEIN MOLECULES IN SENESCENCE
 INSTITUTION TOTAL 1 27,740
 CITY TOTAL 1 27,740
 STATE TOTAL 1 27,740
 TOTAL 106 6,323,709
 27,740

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA SAN FRANCISCO HARKNESS COMMUNITY HOSPITAL AND MEDICAL CENTER CB43862-00	PETZ, LAWRENCE D	SUPPLY OF BLOOD SPECIMENS	18,479
INSTITUTION TOTAL	1		18,479
CITY TOTAL	1		18,479
STATE TOTAL	1		18,479
COLORADO			
FORT COLLINS COLORADO STATE UNIVERSITY HI42903-00	NELSON, A W	SUPPORT FOR ANIMAL-CARE FACILITY	219,900
INSTITUTION TOTAL	1		219,900
CITY TOTAL	1		219,900
STATE TOTAL	1		219,900
DIST OF CUL			
WASHINGTON GEORGE WASHINGTON UNIVERSITY LM44701-00	MC CARN, DAVIS B	DEVELOPMENT OF MEDLEARN SYSTEM	13,222
INSTITUTION TOTAL	1		13,222
CITY TOTAL	1		13,222
STATE TOTAL	1		13,222
MARYLAND			
BALTIMORE UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND PROFESSIONAL SCHOOLS CP43237-00	TRUMP, BENJAMIN F	STUDY OF TRACHEOBRONCHIAL EPITHELIUM	96,880
INSTITUTION TOTAL	1		96,880
CITY TOTAL	1		96,880
BETHESDA			
NATIONAL COMMITTEE FOR CAREERS IN THE MEDICAL LABORATORY CN45043-00	JOHNSON, DALLAS	PREPARATION OF REVISED MANUAL OF CYTO TECHNOLOGY	40,000
INSTITUTION TOTAL	1		40,000

**NIH
RESEARCH CONTRACTS**

DOLLARS
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
CITY TOTAL	1	40,000	

MARYLAND ROCKVILLE INFORMATICS, INC. LM44700-00	PROCESSING OF MEDLARS CITATIONS	145,852
INSTITUTION TOTAL	1	145,852
CITY TOTAL	1	145,852
STATE TOTAL	3	282,732

MASSACHUSETTS SHREWSBURY WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY CB43867-00	STUDY OF ESTROGEN-BINDING AND ESTROPHILE PROTEINS	60,000
INSTITUTION TOTAL	1	60,000
CITY TOTAL	1	60,000

WALTHAM THERMO ELECTRON CORPORATION HT32948-00 HT32946-00	DEVELOPMENT OF LEFT VENTRICULAR-ASSIST DEVICES EVALUATION OF LEFT VENTRICULAR-ASSIST PUMPS	159,030 162,680
INSTITUTION TOTAL	2	321,710
CITY TOTAL	2	321,710
STATE TOTAL	3	381,710

NEW YORK NEW YORK CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE CP43255-00	STUDY OF POPULATIONS AT RISK FROM N-NITROSO COMPOUNDS	38,960
INSTITUTION TOTAL	1	38,960
CITY TOTAL	1	38,960
STATE TOTAL	1	38,960

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
OHIO COLUMBUS OHIO STATE UNIVERSITY OD42145-00	STANLEY, R	TRAINING COURSE FOR CONTRACT OFFICERS	17,140
INSTITUTION TOTAL	1		17,140
CITY TOTAL	1		17,140
STATE TOTAL	1		17,140
PENNSYLVANIA BALA-CYNWYD SMALL BUSINESS ADMINISTRATION CN45040-00	WEBSTER, CAROL	PUBLICATION OF CANCER COMMITTEE BOOKS	150,188
INSTITUTION TOTAL	1		150,188
CITY TOTAL	1		150,188
STATE TOTAL	1		150,188
TEXAS HOUSTON UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE CN45038-00	HEALEY, JOHN E	TRAINING COURSES FOR CANCER-REHABILITATION TEAMS	94,847
INSTITUTION TOTAL	1		94,847
CITY TOTAL	1		94,847
STATE TOTAL	1		94,847
VIRGINIA MC LEAN ARIES CORPORATION EDUCATIONAL SYSTEMS DIVISION CN45042-00	HIRSCHY, ROGER E	SUPPORT FOR NATIONAL CANCER BULLETIN	49,193
INSTITUTION TOTAL	1		49,193
CITY TOTAL	1		49,193
STATE TOTAL	1		49,193
CANADA HALIFAX DALHOUSIE UNIVERSITY HV42911-00	RAUTAHARJU, P M	SUPPORT FOR ECG CENTER FOR PREVENTION OF HEART DISEASE	126,624

**NIH
RESEARCH CONTRACTS**

DOLLARS
AWARDED

CONTRACT NUMBER **PROJECT DIRECTOR** **SCOPE OF WORK**

INSTITUTION TOTAL 1 126,624

CITY TOTAL 1 126,624

STATE TOTAL 1 126,624

INSTITUTION TOTAL 1 126,624

CITY TOTAL 1 126,624

STATE TOTAL 1 126,624

FRANCE
PARIS

CURIE FOUNDATION
CP43219-00

LATARJET, L

MOLECULAR AND GENETIC STUDY OF Rous Sarcoma Virus

INSTITUTION TOTAL 1 49,000

CITY TOTAL 1 49,000

STATE TOTAL 1 49,000

TOTAL 16 1,441,995

NIH MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS CARBONDALE SOUTHERN ILLINOIS UNIVERSITY LMO2130-01	HOWARD, ANN	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	20,000
INSTITUTION TOTAL	1		20,000
CITY TOTAL	1		20,000
STATE TOTAL	1		20,000
TOTAL	1		20,000



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